

Figure 1

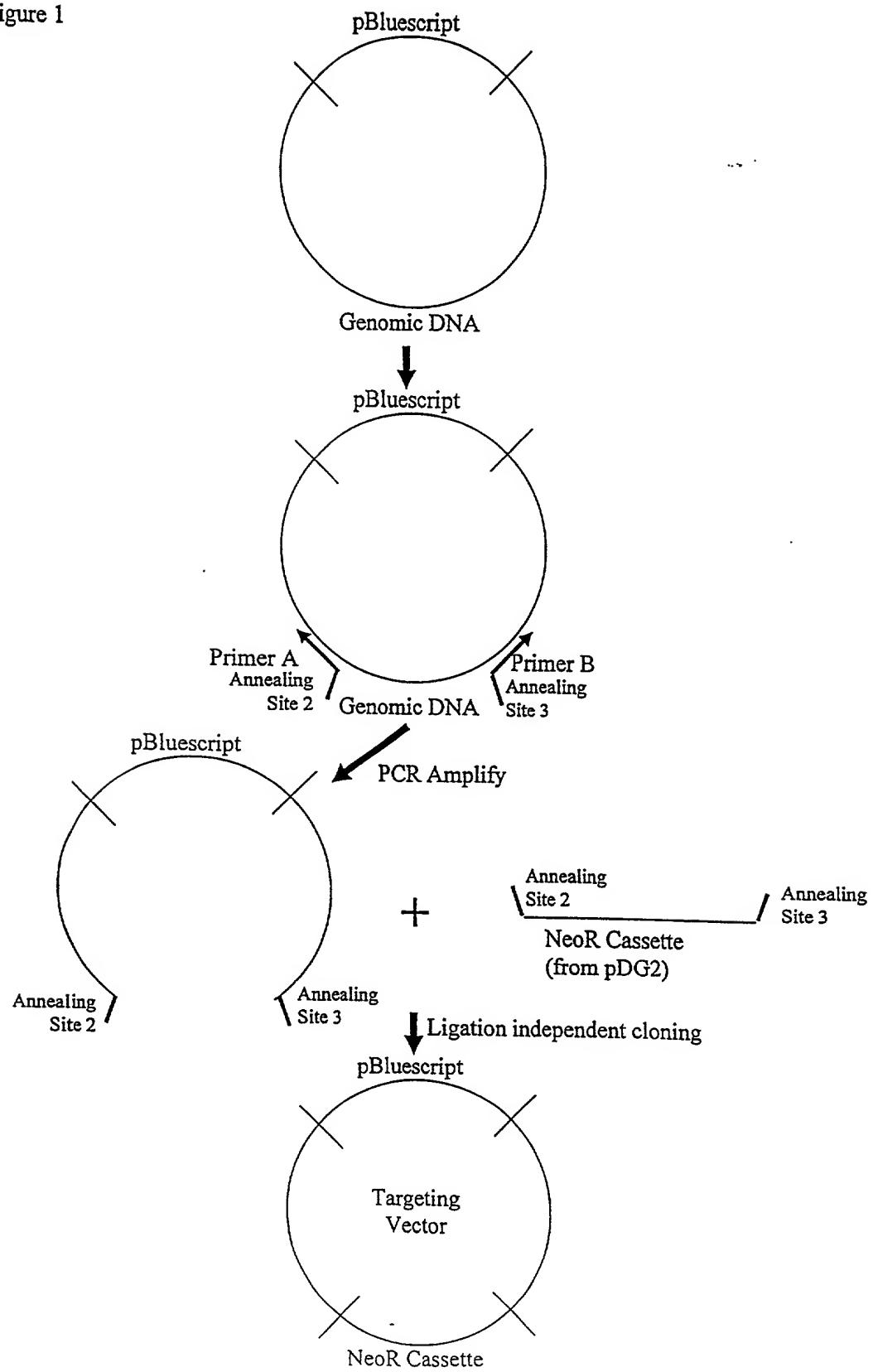
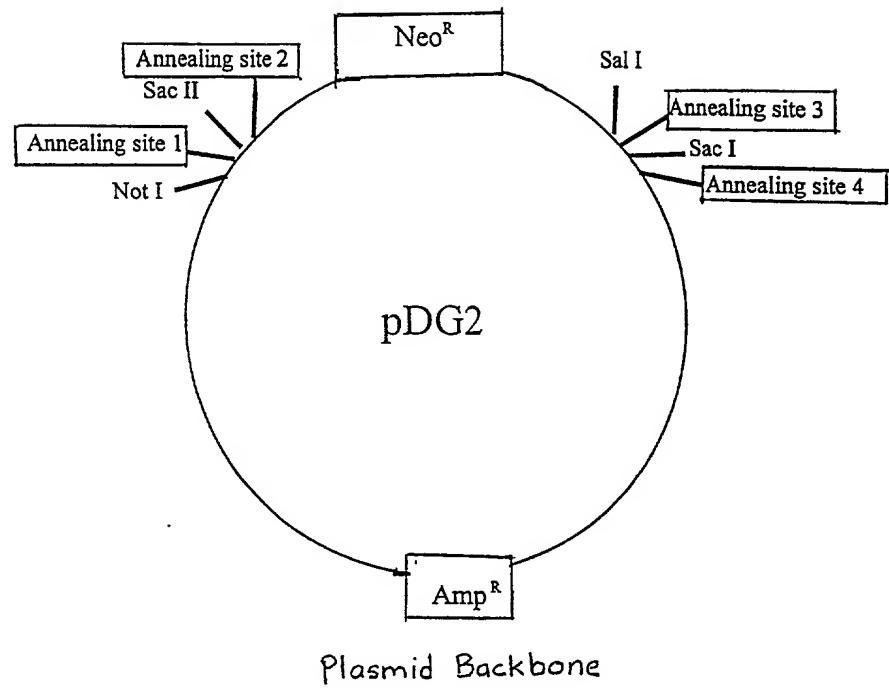


Figure 2A



pDG2:

Fig 2B

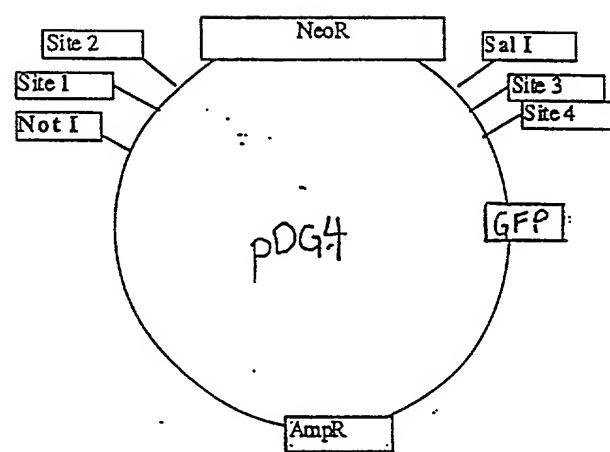


Fig 3A

pDG4:

Fig 3B

Annealing site	Sequence	Sequence after digestion
1	5' tgcgtccctttggcttgcctcaa... 3' 3' acacgaggagaaaccgaacgaagg... 5'	5' tgcgtccctttggcttgcctcaa... 3' 3' tt... 5'
2	5' ctggttcttgcgtggcttggccaa... 3' 3' gaccaagaacagacccgaaaccgg... 5'	5' ctggttcttgcgtggcttggccaa... 3' 3' tt... 5'
3	5' ggtccctcgctctgtgtccgtt... 3' 3' ccaggagcgcgacacaggcaactt... 5'	5' ggtccctcgctctgtgtccgtt... 3' 3' tt... 5'
4	5' tttgcgtgtccctgtgtcgtaa... 3' 3' aaacgcacaggacacagcagtt... 5'	5' tttgcgtgtccctgtgtcgtaa... 3' 3' tt... 5'

Fig 4

Annealing site	Sequence	Sequence after digestion
1	5' AAtgtgccttggcttccgc 3' 3' Ttacacgaggagaaccgaacgaagg 5'	5' AA 3' 3' Ttacacgaggagaaccgaacgaagg 5'
2	5' AAActggttcttgcgtggcttggccgc 3' 3' Ttgaccaagaacagaccgaaccggg 5'	5' AA 3' 3' Ttgaccaagaacagaccgaaccggg 5'
3	5' AAggtcctcgctctgtgtccgttGAGCT 3' 3' Ttccaggagcgagacacaggcaac 5'	5' AA 3' 3' Ttccaggagcgagacacaggcaac 5'
4	5' AAtttgcgtgtccctgtgtcgAGCT 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' 3' Ttaaacgcacaggacacagcagc 5'

Fig 5

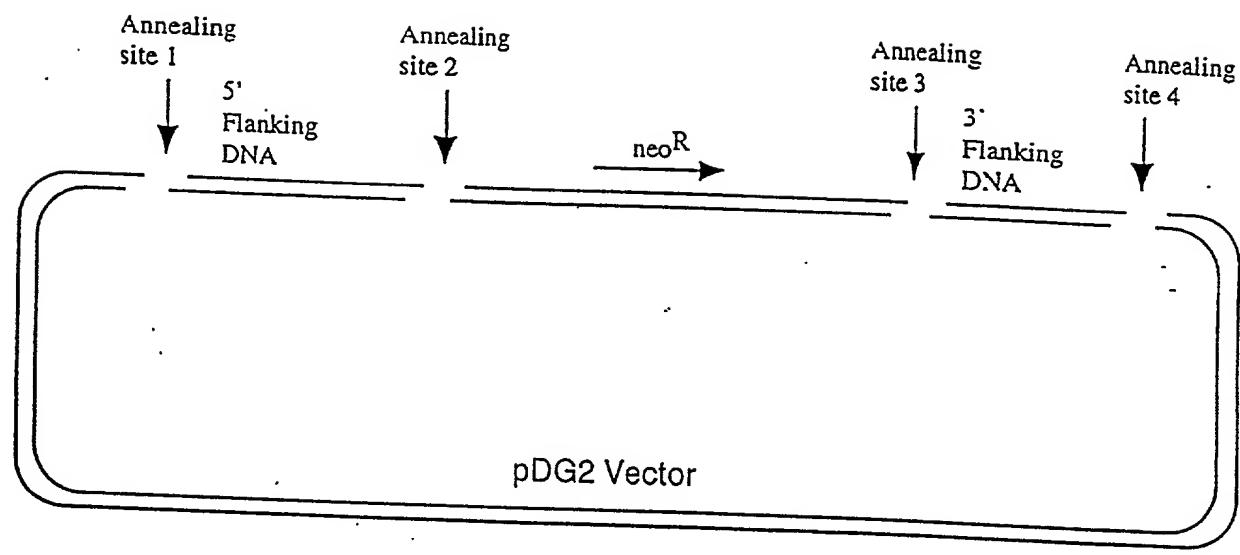


Fig 6

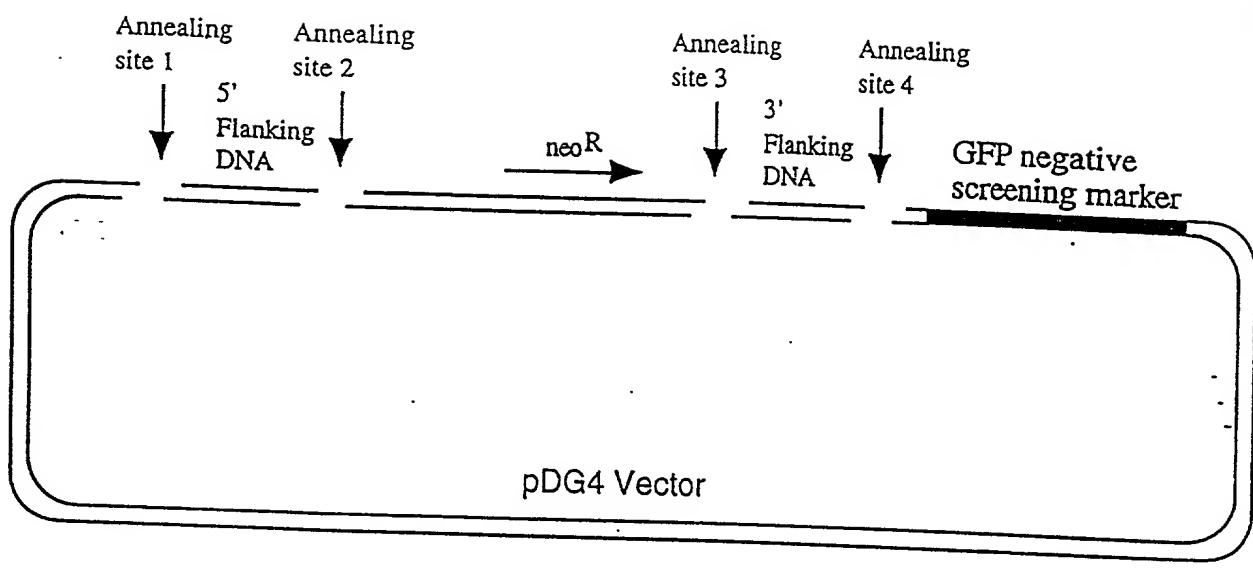


Fig 7

<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctctttggcttgcctccAATTAAACCTCACTAAAGGAAACGAAT
463	ctggttttgtctggcttggccaaTGCAACAGGTTCTGAGCGGTCA
464	ggtcctcgctctgtgtccgttgaacCCTCAAGCTGGCTACTATGCC
42	tttgcgtgtccgtgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTGGAAC
155	GTTCTGGCAAACAAATTGGCGCAC
454	tgtgctctttggcttgcctccAATTAAACCTCACTAAAGGAAACGAAT
465	ctggttttgtctggcttggccaaGTTCCAAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaacGTGCCGAATTGTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTCT
41	tgtgctctttggcttgcgttgaacGACTAATACGACTCACTATAGGGCG
38	ctggttttgtctggcttggccaaGAAGTAACCTGGCACACCAAGGTC
40	ggtcctcgctctgtgtccgttgaAGAACAAAGGGTTCAGCCAAAGTTC
37	tttgcgtgtccgtgtcgaaATTAAACCTCACTAAAGGAAACGAAT
540	ATGCCGGATCTCTACTACTGGGCC
546	TGTCAATAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACGTCAAGCTTCCCGGGACGCGTGCTAGCGGCGCG
667	ctggttttgtctggcttggccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaacCGTTCCATCGCTGTACTATGACA
907	ctggttttgtctggcttggccaaAAAGCCGACAGCCACGCTCACAGC
908	ggtcctcgctctgtgtccgttgaacGCCAATGCCACAGAGACAGAAATGT
1157	ctggttttgtctggcttggccaaGTTGGATCCTCTCAAGGCCCCATCT
1158	ggtcctcgctctgtgtccgttgaacCTCCAGTGCCAGTGTTGGGACAG

Figure 8